Inder the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number

UTILITY PATENT APPLICATION TRANSMITTAL

	ioodioir or innormation a					
Attorney Docket No.		Mirus.042.02				
First Inventor		Rozema, David B				
Title	Membrane Active Polymers					
		E0000557500110				

(Only for new nonprovisional applications under 37 CFR 1.53(b)) | Express Mail Label No. | EO902557502US Assistant Commissioner for Patents **APPLICATION ELEMENTS** ADDRESS TO: **Box Patent Application** Washington, DC 20231 See MPEP chapter 600 concerning utility patent application contents. Fee Transmittal Form (e.g., PTO/SB/17) CD-ROM or CD-R in duplicate, large table of (Submit an original and a duplicate for fee processing) Computer Program (Appendix) Applicant claims small entity status. 8. Nucleotide and/or Amino Acid Sequence Submiss See 37 CFR 1.27. (if applicable, all necessary) Specification [Total Pages (preferred arrangement set forth below) Computer Readable Form (CRF) - Descriptive title of the invention b. Specification Sequence Listing on: - Cross Reference to Related Applications CD-ROM or CD-R (2 copies); or Statement Regarding Fed sponsored R & D - Reference to sequence listing, a table, i i. 🔽 paper or a computer program listing appendix c. Statements verifying identity of above copies - Background of the Invention - Brief Summary of the Invention ACCOMPANYING APPLICATION PARTS Brief Description of the Drawings (if filed) - Detailed Description Assignment Papers (cover sheet & document(s)) - Claim(s) 37 CFR 3.73(b) Statement Power of 10. - Abstract of the Disclosure Attorney (when there is an assignee) English Translation Document (if applicable) 4. Drawing(s) (35 U.S.C. 113) [Total Sheets Copies of IDS Information Disclosure 12. [Total Pages Citations 5. Oath or Declaration Statement (IDS)/PTO-1449 **Preliminary Amendment** Newly executed (original or copy)
Copy from a prior application (37 CFR 1.63 (d))
(for continuation/divisional with Box 18 completed) Return Receipt Postcard (MPEP 503) (Should be specifically itemized) Certified Copy of Priority Document(s) (if foreign priority is claimed) DELETION OF INVENTOR(S) Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR Nonpublication Request under 35 U.S.C. 122 16. 1.63(d)(2) and 1.33(b). (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76: Continuation-in-part (CIP) Continuation Divisional of prior application No.: Prior application information: Group Art Unit: Examiner: For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS

Customer Numi	ber or Bar Code Label	(pessit Customerit)	o, or Aliech bereedell	Delliezi)	or	Correspondence a	ddress below	
Name	Mark K.	Johnson						
	Mirus Cor	ooration						
Address	505 S. Rosa Rd.							
City	Madison		Stat	e WI		Zip Code	53719	
Country	US		Telephoi	_{ne} 608-	238-4400	Fax	608-441-2849	

Mark K. Johnson 35,909 Registration No. (Attorney/Agent) Name (Print/Type) 01/27/2004 Signature Date

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS, SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231.

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE Under the Paperwork Reduction Act of 1995, no persons are required to respond

FEE TRANSMITTAL for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

TOTAL AMOUNT OF PAYMENT

Name (Print/Type)

Mark K. Johnson

(\$)	385.	UU

Complete if Known				
Application Number				
Filing Date	01/27/2004			
First Named Inventor	Rozema, David B			
Examiner Name				
Art Unit				
Attornov Docket No.	Mirus 042 02			

Check Credit card Money Other None Order None Order Order None Order None Order Order None Order Ord	METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)					
Deposit September Septembe	Check Credit card Money Other None	3. ADDITIONAL FEES					
Peoposit Account Number Deposit Name Na							
	Deposit					Fee Description	Fee Paid
Account Name The Director is authorized to: (check all that apply) Charge fee(s) indicated below		1051	130				
The Director is authorized to: (check all that apply) 1053 130 1067 130	Account	1052	50	2052	25		
Charge fee(s) indicated below		1053	130	1053	130	Non-English specification	
Charge fee(s) indicated below, except for the filling fee to the above-identified deposit account. 1. BASIC FILING FEE Large Entity Small Entity Fee Fee Fee Fee Fee Fee Peach Code (\$) 1001 750 2001 385 Utility filing fee 1002 330 2002 165 Design filing fee 1003 520 2003 260 Plant filing fee 1004 750 2004 385 Reissue filing fee 1005 160 2005 80 Provisional filing fee 1005 160 2005 80 Provisional filing fee 1006 1750 2004 385 Reissue filing fee 1007 50 2004 385 Reissue filing fee 1008 160 2005 80 Provisional filing fee 1009 500 1		1812	2,520	1812	2,520	For filing a request for ex parte reexamination	
The above-identified deposit account. Examiner action Examiner action	Charge any additional fee(s) during the pendency of this application	1804	920*	1804	920*		
Test Calculation 1251 110 2251 55 Extension for reply within first month 1252 140 2252 210 Extension for reply within first month 1256 140 2252 210 Extension for reply within second month 1256 140 2252 140 2252 210 Extension for reply within second month 1256 140 2252 140 2252 140 Extension for reply within first month 1255 140		1805	1,840*	1805	1,840*		
1. BASIC FILING FEE Large Entity Small Entity Fee		1251	110	2251	55	Extension for reply within first month	
Large Entity Small Entity Fee Paid Fee Description Fee Paid 1253 930 2253 475 Extension for reply within third month 1254 1,450 1254 1,450 1255 1,970 12		1252	410	2252	210	Extension for reply within second month	
Total Claims		1253	930	2253	475	Extension for reply within third month	
1001 750 2001 385	Fee Fee Fee Fee Description Fee Paid	1254	1,450	2254	740	Extension for reply within fourth month	
1002 330 2002 165 Design filing fee 385 1401 320 2401 165 Notice of Appeal 1003 520 2003 260 Plant filing fee 1402 320 2402 165 Filing a brief in support of an appeal 1403 280 2403 145 Request for oral hearing 1403 280 2403 145 Request for oral hearing 1405 1451 1,510 Petition to institute a public use proceeding 1405 1451 1,510 Petition to revive - unavoidable 1	1001 750 2001 385 Utility filing fee	1255	1,970	2255	1005	Extension for reply within fifth month	
1003 520 2003 260 Plant filing fee 1402 320 2402 165 Filing a brief in support of an appeal 1403 280 2403 145 Request for oral hearing 1451 1,510 Petition to institute a public use proceeding 1452 150 Petition to revive - unavoidable 1451 1,510 Petition to revive - unavoidable 1452 150 Petition to revive - unavoidable 1453 1,300 2453 650 Petition to revive - unintentional 1453 1,300 2453 650 Petition to revive - unintentiona		1401	320	2401	165	Notice of Appeal	
1004 750 2004 385 Reissue filing fee	, , , , , , , , , , , , , , , , , , ,	1402	320	2402	165	Filing a brief in support of an appeal	
1451 1,510 145		1403	280	2403	145	Request for oral hearing	
SUBTOTAL (1) (\$) 385 1452 110 2452 55 Petition to revive - unavoidable 2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Fee from Fee Paid Total Claims 20 20 20 20 X 9 = 0 1503 630 2503 315 Plant issue fee Independent 3 3 3 3 = 0 X 43 = 0 1460 130 Petitions to the Commissioner Multiple Dependent Large Entity Small Entity Fee Fee Fee Code (\$) Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 84 2201 43 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claims in excess of 3 1203 280 2203 140 Multiple dependent claims in excess of 20 1204 84 2204 43 "Reissue independent claims over original patent over original patent Subtotal 2 SUBTOTAL (2) (\$) *Reduced by Basic Filing Fee Paid Subtotal (\$) **Complete (# applicable) Submistoral (\$) **Complete (# applicable) Su		1451	1,510	1451	1,510	Petition to institute a public use proceeding	
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE Total Claims 20	SUBTOTAL (1) (\$) 385	1452	110	2452	55	Petition to revive - unavoidable	
Total Claims 20 -20** = 0 X 9 = 0 1503 630 2503 315 Plant issue fee	· · · · · · · · · · · · · · · · · · ·	1453	1,300	2453	650	Petition to revive - unintentional	
Total Claims 20 -20** = 0 × 9 = 0 1503 630 2503 315 Plant issue fee Independent 3 - 3** = 0 × 43 = 0 1460 130 1460 130 Petitions to the Commissioner Multiple Dependent		1501	1,300	2501	650	Utility issue fee (or reissue)	
Independent 3 - 3*** = 0 X 43 = 0 1460 130 1460 130 Petitions to the Commissioner Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Code (\$) Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 84 2201 43 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claims in excess of 3 1204 84 2204 43 **Reissue independent claims over original patent over original patent 1205 18 2205 9 **Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) **Tor number previously paid, if greater; For Reissues, see above 1803 350 2503 315 Flait itsue lee 1806 130 1460 130 Petitions to the Commissioner 1807 50 Processing fee under 37 CFR 1.17(q) 1806 180 Submission of Information Disclosure Stmt Recording each patent assignment per property (times number of properties) 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b)) 1801 750 2801 385 Request for Continued Examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) SUBMITTED BY (Complete (if applicable)	Extra Claims below Fee Paid	1502	470	2502	235	Design issue fee	
Claims Multiple Dependent Large Entity Small Entity Fee Fee Fee Fee Fee Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 84 2201 43 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 1205 18 2205 9 ** Reissue claims in excess of 20 1205 18 2205 9 ** Reissue claims in excess of 20 1206 180 180 180 180 Submission of Information Disclosure Stmt 8021 40 8021 40 Recording each patent assignment per property (times number of properties) 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b)) 1801 750 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1804 805 1806 180 Submission of Information Disclosure Stmt 1805 1806 180 1806 180 Submission of Information Disclosure Stmt 1806 180 1806 180 Submission of Information Disclosure Stmt 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1800 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b)) 1801 750 2810 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1801 750 2801 385 Request for Expedited examination of a design application 1801 750 2801 385 Request for Expedited examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application 1803 750 2809 375 Filing See 900 Request for expedited examination (RCE) 1804 907		1503	630	2503	315	Plant issue fee	
Large Entity Small	Claims	1460	130	1460	130	Petitions to the Commissioner	
Fee Fee Code (\$) 1202 18 2202 9 Claims in excess of 20 1201 84 2201 43 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claims over original patent over	Wultiple Dependent	1807	50	180	7 50	Processing fee under 37 CFR 1.17(q)	
Code (\$) Code (1806	180	1800			
1202 18 2202 9 Claims in excess of 20 1201 84 2201 43 Independent claims in excess of 3 1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 43 "Reissue independent claims over original patent over original patent of and over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent of a design application of a design application SUBTOTAL (2) (\$) **or number previously paid, if greater; For Reissues, see above SUBMITTED BY 1809 750 2809 375 Filing a submission after final rejection (37 CFR 1.129(a)) 1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b)) 1801 750 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$)		8021	40	802	1 40	Recording each patent assignment per	
1203 280 2203 140 Multiple dependent claim, if not paid 1204 84 2204 43 "Reissue independent claims over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1205 18 2205 9 "Reissue claims in excess of 20 and over original patent 1205 1205 1205 1205 1205 1205 1205 1205		1809	750	280	9 375	Filing a submission after final rejection	
1204 84 2204 43 ** Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 9 ** Reissue claims in excess of 20 and over original patent 2205 900 Request for expedited examination of a design application 2405 ** Reduced by Basic Filing Fee Paid 3405 ** Reissue claims in excess of 20 and over original patent 3405 ** Rejection 5405 ** Reduced by Basic Filing Fee Paid 3405 **	·					' ''	ļ
1204 84 2204 43 Reissue independent claims over original patent 1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent SUBTOTAL (2) (\$) **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Reissue independent claims over original patent 1801 750 2801 385 Request for Continued Examination (RCE) 1802 900 1802 900 Request for expedited examination of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) SUBMITTED BY		1810	750	2810	375		
and over original patent SUBTOTAL (2) (\$) **or number previously paid, if greater; For Reissues, see above SUBMITTED BY of a design application Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) (Complete (if applicable)		1801	750	2801	385	•	
SUBTOTAL (2) **or number previously paid, if greater; For Reissues, see above SUBMITTED BY Other fee (specify) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) (Complete (if applicable)		1802	900	1802	900		
**or number previously paid, if greater; For Reissues, see above *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) SUBMITTED BY (Complete (if applicable)		Other	fee (sr	ecify)		or a design approach	
SUBMITTED BY (Complete (if applicable)	• • • • • • • • • • • • • • • • • • • •				Filing F	ee Paid SUBTOTAL (3) (\$)	

01/27/2004 Signature

WARNING: information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

This collection of information is required by 37 CFR 1.17 and 1.27. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

35,909

Telephone (608) 238-4400